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(71) Applicant (for all designated States except US): AGENCY
FOR SCIENCE, TECHNOLOGY AND RESEARCH
[SG/SG]; 20 Biopolis Way #07-01, centros, Singapore
138668 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LU, Zhongkang
[CN/SG]; 21 Heng Mui Keng Terrace, Singapore 119613

(SG). LIN, Weisi [SG/SG]; 21 Heng Mui Keng Terrace,
Singapore 119613 (SG). YAO, Susu [CN/SG]; 21 Heng
Mui Keng Terrace, Singapore 119613 (SG). ONG, Ee,
Ping [SG/SG]; 21 Heng Mui Keng Terrace, Singapore
119613 (SG).

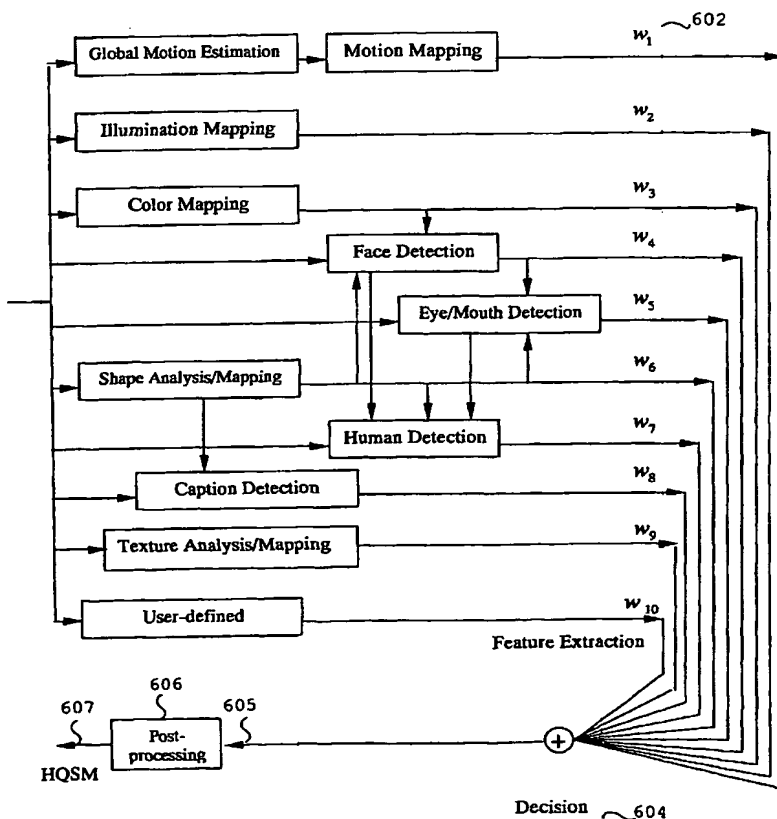
(74) Agent: BOGSCH, Adam, Attila; Viering, Jentschura &
Partner, Rochor Post Office, Rochor Road, P.O. Box 1088,
Singapore 911833 (SG).

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(54) Title: A METHOD FOR GENERATING A QUALITY ORIENTED SIGNIFICANCE MAP FOR ASSESSING THE QUALITY OF AN IMAGE OR VIDEO



(57) Abstract: A method for generating a quality oriented significance map for assessing the quality of an image or video, comprising the steps of extracting features of the image or video, determining a perceptual quality requirement of at least one extracted feature and integrating the extracted features and the perceptual quality requirement of the at least one extracted feature to form an array of significance level values, thereby generating the quality oriented significance map.

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INTERNATIONAL SEARCH REPORT

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CLASSIFICATION OF SUBJECT MATTER

IPC⁷: G06T 7/00, G06T 7/20

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: G06T, H04N, G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, PAJ, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WANG, Z. et al. A Universal Image Quality Index, IEEE Signal Processing Letters, vol. 9, no. 3, march 2002 <i>the whole document.</i>	1-12
A	WO 1999/021173 (BRITISH TELECOMUNICATIONS PUBLIC LIMITED COMPANY) 29 April 1999 (29.04.1999) <i>the whole document.</i>	1-3, 11-15
A	US 2002 / 0126891 A1 (OSBERGER, W. M. et al.) 12 September 2002 (12.09.2002) <i>the whole document.</i>	1-12
A	EP 1109132 A2 (EASTMAN KODAK COMPANY) 20 June 2001 (20.06.2001) <i>the whole document.</i>	1-12

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Name and mailing address of the ISA/AT

Austrian Patent Office
Dresdner Straße 87, A-1200 Vienna
Facsimile No. 1/53424/535

Authorized officer

KOVACS G.

Telephone No. 1/53424/575

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WANG, Z. et al., No-Reference Perceptual Quality Assessment of JPEG Compressed Images, IEEE International Conference on Image Processing, 2002 <i>the whole document.</i>	1-12
A	US 6389072 B1 (TZOU, Shing-Chi, et al.) 14 May 2002 (14.05.2002) <i>abstract, column 4, lines 7-33, column 6, lines 18-64, fig. 2.</i>	1, 3

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report			Publication date		Patent family member(s)	Publication date
					none	
EP	A	1109132	2001-06-20		US B 6671405	2003-12-30
					JP A 2001202522	2001-07-27
					none	
US	A	20020126 891				
US	B	6389072	2002-05-14		JP T 2002534862T	2002-10-15
					EP A 1057342	2000-12-06
					WO A 0040030	2000-07-06